

Amendment in the Claims

Claims 1-4 (canceled)

5. (currently amended): ~~The~~ A microsporidian polar tube protein according to Claim 4, wherein SEQ ID No: 1 consists of consisting of the sequence between amino acids 23 and 395 of SEQ ID No: 1.

Claims 6-32 (canceled)

33. (currently amended) A pharmaceutical composition which prevents infections caused by microsporidians of ~~genus~~ ~~species~~ *Encephalitozoon cuniculi* comprising an active protein according to Claim 4-5 ~~or a fragment thereof~~ and a pharmaceutically acceptable carrier.

34. (currently amended) The composition of Claim 33, wherein said composition forms antibodies against at least one ~~a~~ polar tube selected from the group consisting of *E. intestinalis*, *E. cuniculi* and/or *and* *E. hellem*.

35. (currently amended) The composition of Claim 33, wherein said antibodies an antibody ~~caused~~ has a crossed immunological reactions with the polar tube protein of SEQ ID No: 1.

36. (new) An immunogenic composition comprising a protein according to Claim 5, and a pharmaceutically acceptable carrier.